Chemical Sciences 1

**Particle Model for Changes of State: Solids, Liquids, Gases**

Solid

Melting

Deposition Solidifying or

Sublimation Freezing

Gas

Liquid

Condensation

Evaporation

* Example of materials which do not follow this series of steps are substances which go directly from gas to solid or solid to gas. Carbon and arsenic are substances which do not readily form liquids and can be easily sublimated. Some substances which don’t readily melt are wood and sodium chloride.

**A video which illustrates changes of state for solids, liquids and gases at the particle level:**

<http://youtu.be/Fx5IUVC4UkU>